

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	16802	GFP or "green fluorescent"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L2	1123	amplifiable NEAR2 select\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L3	20867	DHFR or "dihydrofolate reductase" or "glutamine synthetase"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L4	81976	expression NEAR2 plasmid or expression NEAR2 vector	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L5	26255	target NEAR2 protein or desired NEAR2 protein	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L6	288	(GFP or "green fluorescent") SAME (amplifiable NEAR2 select\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L7	287	((GFP or "green fluorescent") SAME (amplifiable NEAR2 select\$6)) and (expression NEAR2 plasmid or expression NEAR2 vector)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L8	287	((((GFP or "green fluorescent") SAME (amplifiable NEAR2 select\$6)) and (expression NEAR2 plasmid or expression NEAR2 vector)) and (DHFR or "dihydrofolate reductase" or "glutamine synthetase"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L9	242	(((((GFP or "green fluorescent") SAME (amplifiable NEAR2 select\$6)) and (expression NEAR2 plasmid or expression NEAR2 vector)) and (DHFR or "dihydrofolate reductase" or "glutamine synthetase"))) and (target NEAR2 protein or desired NEAR2 protein)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L10	284	(DHFR or "dihydrofolate reductase" or "glutamine synthetase") SAME ((GFP or "green fluorescent") SAME (amplifiable NEAR2 select\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12

L11	0	((DHFR or "dihydrofolate reductase" or "glutamine synthetase") SAME ((GFP or "green fluorescent") SAME (amplifiable NEAR2 select\$6))) SAME "I54"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L12	4	((DHFR or "dihydrofolate reductase" or "glutamine synthetase") SAME ((GFP or "green fluorescent") SAME (amplifiable NEAR2 select\$6))) SAME (expression NEAR2 plasmid or expression NEAR2 vector)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L13	121	(DHFR or "dihydrofolate reductase" or "glutamine synthetase") SAME (target NEAR2 protein or desired NEAR2 protein)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L14	38	((DHFR or "dihydrofolate reductase" or "glutamine synthetase") SAME (target NEAR2 protein or desired NEAR2 protein)) and (GFP or "green fluorescent")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L15	128	(GFP or "green fluorescent") WITH (DHFR or "dihydrofolate reductase" or "glutamine synthetase")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L16	21061	"fluorescence activated cell sorter" or FACS	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L17	9077	co-expression or coexpression	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L18	3843	("fluorescence activated cell sorter" or FACS) and (co-expression or coexpression)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L19	17	((("fluorescence activated cell sorter" or FACS) and (co-expression or coexpression)) and ((GFP or "green fluorescent") WITH (DHFR or "dihydrofolate reductase" or "glutamine synthetase"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L20	37	DHFR NEAR5 GFP	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L21	5388	chisholm.in. or "crowley,in." or krummen.in. or meng.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12

L22	7482	chisholm.in. or crowley.in. or krummen.in. or meng.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L23	6766	genentech.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L24	4	(chisholm.in. or crowley.in. or krummen.in. or meng.in.) and (GFP or "green fluorescent") and (amplifiable NEAR2 select\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L25	3	genentech.as. and (GFP or "green fluorescent") and (amplifiable NEAR2 select\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L26	2	"5561053".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L27	0	"5561053".pn. and GFP	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L28	26	(chisholm.in. or crowley.in. or krummen.in. or meng.in.) and (GFP or "green fluorescent")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L29	1927	SV40 SAME "splice donor"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L30	17	(SV40 SAME "splice donor") SAME (GFP or "green fluorescent")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L31	0	((SV40 SAME "splice donor") SAME (GFP or "green fluorescent")) and (amplifiable NEAR2 select\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L32	62118	536/23.1 536/24.1 536/23.4 435/320.1 435/6 435/325 435/254.2 436/536 435/455 435/471 435/70.1 435/71.1 .ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12

L33	325	536/23.1 536/24.1 536/23.4 435/320. 1 435/6 435/325 435/254. 2 436/536 435/455 435/471 435/70.1 435/71.1 .ccls. and (GFP or "green fluorescent") and (amplifiable NEAR2 select\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L34	277	(536/23.1 536/24.1 536/23.4 435/320. 1 435/6 435/325 435/254. 2 436/536 435/455 435/471 435/70.1 435/71.1 .ccls. and (GFP or "green fluorescent") and (amplifiable NEAR2 select\$6)) and (DHFR or "dihydrofolate reductase" or "glutamine synthetase")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L35	277	((536/23.1 536/24.1 536/23.4 435/320. 1 435/6 435/325 435/254. 2 436/536 435/455 435/471 435/70.1 435/71.1 .ccls. and (GFP or "green fluorescent") and (amplifiable NEAR2 select\$6)) and (DHFR or "dihydrofolate reductase" or "glutamine synthetase")) and (expression NEAR2 plasmid or expression NEAR2 vector)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L36	210	((((536/23.1 536/24.1 536/23.4 435/320. 1 435/6 435/325 435/254. 2 436/536 435/455 435/471 435/70.1 435/71.1 .ccls. and (GFP or "green fluorescent") and (amplifiable NEAR2 select\$6)) and (DHFR or "dihydrofolate reductase" or "glutamine synthetase")) and (expression NEAR2 plasmid or expression NEAR2 vector)) and (target NEAR2 protein or desired NEAR2 protein)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L37	5	(((((536/23.1 536/24.1 536/23.4 435/320. 1 435/6 435/325 435/254. 2 436/536 435/455 435/471 435/70.1 435/71.1 .ccls. and (GFP or "green fluorescent") and (amplifiable NEAR2 select\$6)) and (DHFR or "dihydrofolate reductase" or "glutamine synthetase")) and (expression NEAR2 plasmid or expression NEAR2 vector)) and (target NEAR2 protein or desired NEAR2 protein)) and (SV40 SAME "splice donor")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12

L38	28	((((536/23.1 536/24.1 536/23.4 435/320.1 435/6 435/325 435/254.2 436/536 435/455 435/471 435/70.1 435/71.1 .ccls. and (GFP or "green fluorescent") and (amplifiable NEAR2 select\$6)) and (DHFR or "dihydrofolate reductase" or "glutamine synthetase"))) and (expression NEAR2 plasmid or expression NEAR2 vector)) and ("fluorescence activated cell sorter" or FACS) and (co-expression or coexpression))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L39	205	((((536/23.1 536/24.1 536/23.4 435/320.1 435/6 435/325 435/254.2 436/536 435/455 435/471 435/70.1 435/71.1 .ccls. and (GFP or "green fluorescent") and (amplifiable NEAR2 select\$6)) and (DHFR or "dihydrofolate reductase" or "glutamine synthetase"))) and (expression NEAR2 plasmid or expression NEAR2 vector)) and ((GFP or "green fluorescent") SAME (amplifiable NEAR2 select\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L40	179	(((((GFP or "green fluorescent") SAME (amplifiable NEAR2 select\$6)) and (expression NEAR2 plasmid or expression NEAR2 vector)) and (DHFR or "dihydrofolate reductase" or "glutamine synthetase"))) and (target NEAR2 protein or desired NEAR2 protein)) and (((536/23.1 536/24.1 536/23.4 435/320.1 435/6 435/325 435/254.2 436/536 435/455 435/471 435/70.1 435/71.1 .ccls. and (GFP or "green fluorescent") and (amplifiable NEAR2 select\$6)) and (DHFR or "dihydrofolate reductase" or "glutamine synthetase"))) and (expression NEAR2 plasmid or expression NEAR2 vector))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12

L41	13	(((((GFP or "green fluorescent") SAME (amplifiable NEAR2 select\$6)) and (expression NEAR2 plasmid or expression NEAR2 vector)) and (DHFR or "dihydrofolate reductase" or "glutamine synthetase"))) and (target NEAR2 protein or desired NEAR2 protein)) and (((536/23.1 536/24.1 536/23.4 435/320.1 435/6 435/325 435/254.2 436/536 435/455 435/471 435/70.1 435/71.1 .ccls. and (GFP or "green fluorescent") and (amplifiable NEAR2 select\$6)) and (DHFR or "dihydrofolate reductase" or "glutamine synthetase"))) and (expression NEAR2 plasmid or expression NEAR2 vector))) and (co-expression or coexpression)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L42	3	((((536/23.1 536/24.1 536/23.4 435/320.1 435/6 435/325 435/254.2 436/536 435/455 435/471 435/70.1 435/71.1 .ccls. and (GFP or "green fluorescent") and (amplifiable NEAR2 select\$6)) and (DHFR or "dihydrofolate reductase" or "glutamine synthetase"))) and (expression NEAR2 plasmid or expression NEAR2 vector)) and ((GFP or "green fluorescent") WITH (DHFR or "dihydrofolate reductase" or "glutamine synthetase"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L43	9470	hoffman.in. or chishima.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L44	0	(hoffman.in. or chishima.in.) and (dicistron or bicistron)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L45	14	(hoffman.in. or chishima.in.) and GFP	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L46	6	((hoffman.in. or chishima.in.) and GFP) and DHFR	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:12
L47	2	"6235967".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:21

L48	861	dicistronic	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:21
L49	121	I48 SAME GFP	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:21
L50	83	I49 SAME DHFR	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:38
L51	0	I50 same target	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:28
L52	0	I50 same "gene of interest"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:28
L53	14053	"glutamine synthase" or DHFR	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:39
L54	74	I53 WITH GFP	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:39
L55	100007	(plasmid or vector or construct) WITH expression	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 14:39
L56	69	I54 and I55	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 15:15
L57	61	I56 and ("expression vector" or "expression plasmid")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/23 15:16

L21 ANSWER 1 OF 2 MEDLINE on STN
 ACCESSION NUMBER: 2005253596 IN-PROCESS
 DOCUMENT NUMBER: PubMed ID: 15880643
 TITLE: Subtelomeric rearrangements in the mentally retarded: a comparison of detection methods.
 AUTHOR: Rooms Liesbeth; Reyniers Edwin; Kooy R Frank
 CORPORATE SOURCE: Department of Medical Genetics, University of Antwerp, Antwerp, Belgium.
 SOURCE: Human mutation, (2005 Jun) 25 (6) 513-24.
 Journal code: 9215429. ISSN: 1098-1004.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: NONMEDLINE; IN-PROCESS; NONINDEXED; Priority Journals
 ENTRY DATE: Entered STN: 20050517
 Last Updated on STN: 20050518

AB In recent years, subtelomeric rearrangements, e.g., chromosome deletions or duplications too small to be detected by conventional cytogenetic analysis, have emerged as a significant cause of both idiopathic and familial mental retardation. As mental retardation is a common disorder, many patients need to be tested on a routine basis. In this review, we will discuss the different methods that have been applied in laboratories worldwide, including multiprobe **fluorescence** in situ hybridization (FISH), multiallelic **marker** analysis, multiplex **amplifiable** probe hybridization (MAPH), multiplex ligation-dependent probe amplification (MLPA), quantitative real-time PCR, comparative genomic hybridization (CGH), and multicolor FISH, including spectral karyotyping (SKY), subtelomeric combined binary ratio labeling FISH (S-COBRA FISH), multiplex FISH telomere integrity assay (M-TEL), telomeric multiplex FISH (TM-FISH), and primed in situ labeling (PRINS).

L21 ANSWER 2 OF 2 MEDLINE on STN DUPLICATE 1
 ACCESSION NUMBER: 96207930 MEDLINE
 DOCUMENT NUMBER: PubMed ID: 8624036
 TITLE: PCR amplification of a polymorphic minisatellite VNTR locus in whiting (*Merlangius merlangus* L.).
 AUTHOR: McGregor D; Galvin P; Sadusky T; Cross T
 CORPORATE SOURCE: Department of Zoology, University College Cork, Ireland.
 SOURCE: Animal genetics, (1996 Feb) 27 (1) 49-51.
 Journal code: 8605704. ISSN: 0268-9146.
 PUB. COUNTRY: ENGLAND: United Kingdom
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 OTHER SOURCE: GENBANK-Z50003
 ENTRY MONTH: 199606
 ENTRY DATE: Entered STN: 19960627
 Last Updated on STN: 19980206
 Entered Medline: 19960614

AB An approach has been developed for the screening of allelic variation of minisatellite DNA loci that substantially reduces the time and hazards involved. Primers were designed for a minisatellite region isolated from a gadoid fish species (*Merlangius merlangus* L.), enabling amplification by polymerase chain reaction, so that differences in the number of minisatellite repeat units (allelic variability) were detectable by ethidium bromide **fluorescence** (over UV light) following separation by agarose gel electrophoresis. This **amplifiable** minisatellite variable number tandem repeat region, the first non-primate **marker** of its kind can be used successfully with DNA extracted by a rapid Chelex protocol. From a sample of 97 individuals, 24 alleles were resolved (750-2200 kb) and heterozygosity was estimated at 0.94.

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L19 ANSWER 1 OF 1 MEDLINE on STN DUPLICATE 1
 ACCESSION NUMBER: 2000161123 MEDLINE
 DOCUMENT NUMBER: PubMed ID: 10694794
 TITLE: Efficient gene transfer into human cord blood CD34+ cells and the CD34+CD38- subset using highly purified recombinant adeno-associated viral **vector** preparations that are free of helper virus and wild-type AAV.
 AUTHOR: Nathwani A C; Hanawa H; Vandergriff J; Kelly P; Vanin E F; Nienhuis A W
 CORPORATE SOURCE: Division of Experimental Hematology, Department of Hematology/Oncology, St Jude Children's Research Hospital, Memphis, TN 38105, USA.
 CONTRACT NUMBER: P01HL53749 (NHLBI)
 SOURCE: Gene therapy, (2000 Feb) 7 (3) 183-95.
 Journal code: 9421525. ISSN: 0969-7128.
 PUB. COUNTRY: ENGLAND: United Kingdom
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200003
 ENTRY DATE: Entered STN: 20000327
 Last Updated on STN: 20021218
 Entered Medline: 20000316

AB Recombinant adeno-associated viral (rAAV) vectors have been evaluated for their ability to transduce primitive hematopoietic cells. Early studies documented rAAV-mediated gene expression during progenitor derived colony formation in vitro, but studies examining genome integration and long-term gene expression in hematopoietic cells have yielded conflicting results. Such studies were performed with crude **vector** preparations. Using improved methodology, we have generated high titer, biologically active preparations of rAAV free of wild-type AAV (less than 1/107particles) and adenovirus. Transduction of CD34+ cells from umbilical cord blood was evaluated with a **bicistronic** rAAV **vector** encoding the green fluorescent protein (GFP) and a trimetrexate resistant variant of dihydrofolate reductase (**DHFR**). Freshly isolated, quiescent CD34+ cells were resistant to transduction (less than 4%), but transduction increased to 23 +/- 2% after 2 days of cytokine stimulation and was further augmented by addition of tumor necrosis factor alpha (51 +/- 4%) at a multiplicity of infection of 106. rAAV-mediated gene expression was transient in that progenitor derived colony formation was inhibited by trimetrexate. Primitive CD34+ and CD34+, CD38- subsets were sequentially transduced with a rAAV **vector** encoding the murine ecotropic receptor followed by transduction with an ecotropic retroviral **vector** encoding **GFP** and **DHFR**. Under optimal conditions 41 +/- 7% of CD34+ progenitors and 21 +/- 6% of CD34+, CD38- progenitors became trimetrexate resistant. These results document that highly purified rAAV transduce primitive human hematopoietic cells efficiently but gene expression appears to be transient. Gene Therapy (2000) 7, 183-195.

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